

Next Generation AI and Emerging Technologies Symposium

8th March – 6th April 2022

Program

Tuesday 8 March	Launch: Intro to AI and emerging technologies
2-2.05pm	Welcome Jess Cornock, Manager, Next Gen Graduates Programs, CSIRO's Data61
2.05-2.10pm	Welcome to Country Uncle Allen Madden
2.10-2.55pm	Jon Whittle, Director, CSIRO's Data61 What is AI?
2.55-3pm	Break
3-3.45pm	Sally Cripps, Science Lead, Next Gen Grad Programs, CSIRO's Data61 Al for Science
3.45-3.50pm	Break
3.50-4.30pm	Stela Solar, Director, National AI Centre, CSIRO AI in Industry
4.30-5pm	Panel Q&A
Thursday 17 March	Al and emerging technologies in the real world
Thursday 17 March 9-9.10am	Al and emerging technologies in the real world Welcome Gilad Francis, Coursework Lead, Next Gen Graduates Programs
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9-9.10am 9.10-10am 10-10.15am 10.15-11am	Welcome Gilad Francis, Coursework Lead, Next Gen Graduates Programs Mark Girolami, Chief Scientist, The Alan Turing Institute Al with impact Break Petra Kuhnert, Data Scientist, CSIRO's Data61 Reimagining the environment with MLAI Dacheng Tao, Director, UBTECH Sydney Artificial Intelligence Centre
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1.30-2pm	Michael Kuiper, Team Lead, Molecular & Materials Modelling group, CSIRO's Data61 Damien Watkins, Research Team Lead, Computational Software Engineering and Visualisation Team, CSIRO's Data61 Biomolecular visualization using augmented and virtual reality
2-2.15pm	Thierry Rakotoarivelo, Senior Research Scientist, Information Security and Privacy Group, CSIRO's Data61 Paul Tyler, Data Privacy Team Leader, CSIRO's Data61 Data privacy in the real world
2.15-2.45pm	Jason Potts, Co-director of the Blockchain Innovation Hub, RMIT A new institutional technology for the digital economy
2.45-2.50pm	Break
2.50-3.15pm	Carsten Rudolph, Head of Department for Software Systems and Cybersecurity, Monash University Cybersecurity/Quantum Computing: some research challenges
3.15-3.45pm	Ben Hutchinson, Researcher, Google Centre for Responsible Al
от 20 от 10 р 11	Responsible AI in the real world
3.45-4pm	Dan Jermyn, Chief Decision Scientist, Commonwealth Bank Decision science at CBA
4-4.15pm	Break
4.15-6pm	Bushfire Grand Challenge Masterclass with Mahesh Prakash, leader and developer of emergency and disaster management solutions at CSIRO's Data61 Grand challenge introduction: research questions, dataset, tools, and
	models
Wednesday 23 March	models Ethics in AI and technologies
Wednesday 23 March 10-10.10am	
	Welcome Roman Marchant, Coursework Lead, Next Gen Graduates Programs Toby Walsh, ARC Laureate Fellow and Scientia Professor of Al
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3.30-4pm	Vincent Zhang, Co-founder and President, Tech for Social Good Tech for Social Good: Young Australians in responsible tech
4-4.15pm	Break
4.15-6pm	Bushfire Grand Challenge Masterclass Moderated debate: Ethical implications of AI for bushfires
Wednesday 30 March	Autonomous systems
10-10.10am	Welcome Meiru Che, Coursework Coordinator, Next Gen Graduates Programs
10.10-10.55am	Peter Corke, Distinguished Professor of Robotic Vision, QUT
10.55-11am	Break
11-11.45am	Stefan Williams, Head of School of Aerospace, Mechanical and Mechatronic Engineering, University of Sydney
11.45am-12pm	Break
12-12.45pm	Hugh Durrant-Whyte, NSW Chief Scientist & Engineer
12.45-1.30pm	Lunch
1.30-2.15pm	Navinda Kottege, Group Leader, Robotics and Autonomous Systems, CSIRO's Data61 Team CSIRO Data61 at the DARPA Subterranean Challenge
2.15-2.35pm	Juxi Leitner, CEO and Co-Founder, LYRO Robotics How to transfer from fundamental research to building fundamentally impactful products
2.35-2.55pm	Stefan Hrabar, CEO and Co-Founder, Emesent Drone autonomy for mapping underground mines
2.55-3pm	Break
3-3.45pm	Fabio Ramos, Principal Research Scientist, NVIDIA USA and Professor of Robotics and Machine Learning, University of Sydney How to train robots in simulation to perform well in the real world
3.45-4pm	Break
4-6pm	Bushfire Grand Challenge Masterclass Create your own autonomous agent to battle bushfires
Wednesday 6 April	Entrepreneurship and innovation in AI &emerging technologies
10-10.10am	Welcome Gilad Francis, Coursework Lead, Next Gen Graduates Programs
10.10-10.55am	Jeremy Howard, Founder, Fast.ai
10.55-11am	Break
11-11.45am	Sally-Ann Williams, CEO, Cicada Innovations
11.45am-12pm	Break
12-12.45pm	Sue Keay, Founder and Chair of Robotics Australia Group
12.45-1.30pm	Lunch
1.30-2.15pm	Denis Bauer, Transformational Bioinformatics Group Leader, CSIRO
2.15-2.20pm	Break
2.20-3.45pm	Ask me with founders – industry panel with Sally-Ann Williams
3.45-4pm	Break

4-6pm

Bushfire Grand Challenge Masterclass

Commercialisation: how to create a successful product/business to

impact society

^{*}Last updated on 25^{th} March 2022. This program is subject to change.